

Remarks:

1. The Examiner's requested correction to the drawings has been made along with corrections to Figure 2A.
2. The Examiner's requested corrections to paragraph 26 in the specification have been made along with minor corrections to paragraphs 23, 25, and 27. (See Amendments to the Specification).
3. Claims 2-4 have been combined with Claim 1, overcoming the Examiner's rejection of Claims 1-3 based on Matulek (U.S. 6,164,132).
4. Claims 5-10 are now allowable since they are now dependent on an allowable base claim.
5. Claims 16-18 currently stand rejected under 35 U.S.C. 102(b) as being anticipated by Matulek (U.S. 6,164,132). Applicants respectfully point out that Matulek does not teach or disclose the step found in Claim 16 of "applying a second input voltage signal to the second and fourth excitation electrodes having the predetermined amplitude and 180 degrees out of phase with the defined phase of the first input signal." Matulek also does not teach or disclose creating two distinct measurements resulting from first and second excitation electrodes acting on a first receiving electrode as found in claim 16. Applicants contend that this distinguishes the instant application over Matulek and that Claim 16 is in condition for allowance.

6. Claims 17-21 depend from Claim 16 and should, therefore, all be in condition for allowance.

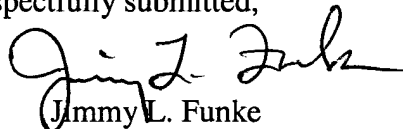
Applicants appreciate the Examiner's thorough examination of the application.

Applicants contend that the above listed actions put this case in condition for allowance. A timely notice of allowance is requested.

Although no fees are believed due, the Commissioner is authorized to charge our Deposit Account No. 50-0831 for any fees or credit the account for any overpayment.

Respectfully submitted,

By



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